

14P

E7.4-10281

CR-136667

"Made available under NASA sponsorship
in the interest of early and wide dis-
semination of Earth Resources Survey
Program information and without liability
for any use made thereof."

SKYLAB

- A. Title of investigation: The Great Basin Investigation
- B. Number of investigation: #357
- C. Period covered: Monthly progress report for January 1974
- D. Contract number: 9-13274
- E. Principal Investigations Management Office, Lyndon B. Johnson Space Center
- F. Technical Monitor name: Martin Miller TF6
Johnson Space Center
Earth Observation Division
Houston, Texas 77058
Phone 713-483-6451
- G. Principal Investigator and sponsoring institution: Jack G. Quade
Mackay School of Mines
University of Nevada
Reno, Nevada 89502
Phone 702-784-6618
- H. Type of report: Monthly Progress Report for January 1974

(E74-10281) THE GREAT BASIN
INVESTIGATION Monthly Progress Report,
Jan. 1974 (Nevada Univ.) 3 p HC \$3.00

CSCL 08G

G3/13

N74-17073

Unclas

00281

I. Overall Status:

1. SL-3 imagery was delivered from the S-190A and S-190B cameras. The track #6 imagery flown on August 11, 1973 at 8:30 in the morning was completely cloud free over the entire State of Nevada. Five frames were taken by the S-190A cameras to cover the area between Reno and Las Vegas (417 miles), two of the frames cover our test site, none of the frames are in stereo.
2. Six frames were taken using the 190B camera on August 11, 1963 which start north of Reno and stop at the western edge of our test site. The photographic coverage that was obtained was of good quality. The four middle frames are in complete stereo while the two on each end have partial stereo. If the camera had been left on it would have covered our principal target areas. We were told that the 190B camera was turned off for security reasons, and that the decision was made the night before the overflight.
3. The SL-3 imagery from track #59 on September 13, 1973 has also been examined from both the S-190A and S-190B cameras. Five frames from both 190A and 190B were used to cover the State; neither system is in stereo. The 190-B imagery is varying shades of yellow and brown and appear to be overexposed.
4. We have taken the 70mm positives from the 190A and produced contact negatives from which 12X enlargements were produced. This appears to be the limit that we can enlarge the photos without losing too much resolution.
5. We sent select frames of S-190B imagery to a private contractor to have 1:250:000 color transparencies made.

J. Expected accomplishments for the next reporting period.

1. Begin work with the black and white enlargements.
2. Begin work with color transparencies.

3. Acquire from Dr. Lyon, photography taken during mission #248, along track #6.
4. Consider options we may have in moving our test site stations to the areas where we have better coverage.